

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

110.01100101

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

10/019,521

INTERNATIONAL APPLICATION NO.  
PCT/US00/17988INTERNATIONAL FILING DATE  
29/06/2000 (29 June 2000)

PRIORITY DATE CLAIMED

## TITLE OF INVENTION

MICRO-ELECTROMECHANICAL DEVICES AND METHODS OF MANUFACTURE

## APPLICANT(S) FOR DO/EO/US

Peter J. Schiller

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☐ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☐ A copy of the International Search Report (PCT/ISA/210).

## Items 13 to 20 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
20. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
22. ☐ Certificate of Mailing by Express Mail
23. ☒ Other items or information:

Itemized return-stamped postcard; Response to Notification of Missing Requirements Under 35 U.S.C. 371 (1 pg); copy of Notification of Missing Requirements Under 35 U.S.C. 371 in the U.S. Designated/Elected Office (DO/EO/US) (2 pgs.); Petition for Extension of Time for One Month (1 pg.).

|  |                     |   |                          |   |               |
|--|---------------------|---|--------------------------|---|---------------|
| 24. The following fees are submitted:<br><b>BASIC NATIONAL FEE ( 37 CFR 1.492 (a) (1) - (5)) :</b>   |                     |   |                          | <b>CALCULATIONS PTO USE ONLY</b>                        |               |
| <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... | <b>\$1040.00</b>    |   |                          |   |               |
| <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO .....   | <b>\$890.00</b>     |   |                          |   |               |
| <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO .....  | <b>\$740.00</b>     |   |                          |   |               |
| <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) .....   | <b>\$710.00</b>     |   |                          |   |               |
| <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) .....   | <b>\$100.00</b>     |   |                          |   |               |
| <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>  |                     | <b>\$0.00</b>   |                          |   |               |
| Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)).   |                     | <input type="checkbox"/> 20 <input type="checkbox"/> 30 | <b>\$0.00</b>            |   |               |
| <b>CLAIMS</b>  | <b>NUMBER FILED</b> | <b>NUMBER EXTRA</b>                                     | <b>RATE</b>              | <b>\$0.00</b>   |               |
| Total claims   | - 20 =              | 0   | x \$18.00                | <b>\$0.00</b>   |               |
| Independent claims   | - 3 =               | 0   | x \$84.00                | <b>\$0.00</b>   |               |
| Multiple Dependent Claims (check if applicable).   |                     |   | <input type="checkbox"/> | <b>\$0.00</b>   |               |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |                     |   |                          | <b>\$0.00</b>   |               |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are reduced by 1/2.  |                     |   |                          | <b>\$0.00</b>   |               |
| <b>SUBTOTAL =</b>  |                     |   |                          | <b>\$0.00</b>   |               |
| Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)).  |                     |   |                          | <input type="checkbox"/> 20 <input type="checkbox"/> 30 | <b>\$0.00</b> |
| <b>TOTAL NATIONAL FEE =</b>  |                     |   |                          | <b>\$0.00</b>   |               |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).  |                     |   |                          | <input type="checkbox"/>                                | <b>\$0.00</b> |
| <b>TOTAL FEES ENCLOSED =</b>   |                     |   |                          | <b>\$0.00</b>   |               |
|  |                     |   |                          | Amount to be: refunded                                  | \$            |
|  |                     |   |                          | charged   | \$            |

- a. ☒ A check in the amount of **\$110.00** to cover the fee for the Extension of Time.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **13-4895** A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Kevin W. Raasch  
 Mueting, Raasch & Gebhardt, P.A.  
 P.O. Box 581415  
 Minneapolis, Minnesota 55458-1415  
 United States of America

SIGNATURE

Kevin W. Raasch

NAME

35,651

REGISTRATION NUMBER

June 6, 2002

DATE

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Peter J. Schiller  
 Serial No.: 10/019,521  
 Filed: December 27, 2001

Group Art Unit: Unassigned  
 Examiner: Unassigned  
 Docket No.: 110.01100101  
 Confirmation No.: 2112

Title: MICRO-ELECTROMECHANICAL DEVICES AND METHODS OF MANUFACTURE

Assistant Commissioner for Patents  
 Attn: Box PCT  
 Washington, D.C. 20231

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):

- ☒ An itemized return postcard.  
☒ A Petition for Extension of Time for 1 month and a check in the amount of \$ 110.00 for the required fee.  
☐ A certified copy of a    application, Serial No.   , filed   , the right of priority of which is claimed under 35 U.S.C. §119.  
☒ Other: Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 (2 pgs.); Response to Notification of Missing Requirements Under 35 U.S.C. 371(1 pg.); copy of Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US) (2 pgs.); Declaration (3 pgs.).  
 Amendment    No Additional fee is required.    The fee has been calculated as shown:

| Fee Calculation for Claims Pending After Amendment                            |                                    |                             |                                   |                           |                          |
|---|------------------------------------|-----------------------------|-----------------------------------|---------------------------|--------------------------|
|   | Pending Claims after Amendment (1) | Claims Paid for Earlier (2) | Number of Additional Claims (1-2) | Cost per Additional Claim | Additional Fees Required |
| Total Claims  |                                    |                             |                                   | x \$18 =                  |                          |
| Independent Claims  |                                    |                             |                                   | x \$84 =                  |                          |
| One or More New Multiple Dependent Claims Presented? If Yes, Add \$280 Here → |                                    |                             |                                   |                           |                          |
| Total Additional Claim Fees Required  |                                    |                             |                                   |                           |                          |

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

MUETING, RAASCH & GEBHARDT, P.A.  
 Customer Number: 26813



26813

PATENT TRADEMARK OFFICE

By: KW Raasch  
 Name: Kevin W. Raasch  
 Reg. No.: 35,651  
 Direct Dial: 612-305-1218  
 Facsimile: 612-305-1228

## CERTIFICATE UNDER 37 CFR §1.10:

"Express Mail" mailing label number: EV 073732151 US

Date of Deposit: June 6, 2002

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Attn: Box PCT, Washington, D.C. 20231.

By: Sue Dombroske  
 Name: Sue Dombroske

(LARGE ENTITY TRANSMITTAL UNDER RULE 1.10)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|               |   |   |                   |            |
|---------------|---|---|-------------------|------------|
| Applicant(s): | Peter J. Schiller   | ) | Group Art Unit:   | Unassigned |
|               |   | ) |                   |            |
| Serial No.:   | 10/019,521  | ) | Examiner:         | Unassigned |
|               |   | ) |                   |            |
| Filed:        | December 27, 2001   | ) | Confirmation No.: | 2112       |
|               |   | ) |                   |            |
| For:          | <u>MICRO-ELECTROMECHANICAL DEVICES AND METHODS OF MANUFACTURE</u> |   |                   |            |

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS UNDER 37 U.S.C §371

Commissioner for Patents  
Attn: Box PCT  
Washington, D.C. 20231

Sir:

In response to the "Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US)," enclosed is an executed Declaration by the named inventor. Please charge any fees or credit any over-payment to PTO Deposit Account No. 13-4895.

The application should now be in condition for examination. Please direct any inquiries to attorney the undersigned attorney.

**CERTIFICATE UNDER 37 C.F.R. 1.10:**

The undersigned hereby certifies that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated below and is addressed to the Commissioner for Patents, Box PCT, Washington, D.C. 20231.

Sue Dombroske  
Sue Dombroske  
"Express Mail" mailing label number:  
EV 073732151 US  
Date of Deposit: June 6, 2002

6 JUNE 2002  
Date

KWR/skd

Respectfully submitted for

Peter J. Schiller  
By  
Mueting, Raasch & Gebhardt, P.A.  
P.O. Box 581415  
Minneapolis, MN 55458-1415  
Telephone (612)305-1220  
Facsimile (612)305-1228  
**Customer Number 26813**



26813

PATENT TRADEMARK OFFICE

By: Kevin W. Raasch  
Attorney: Kevin W. Raasch  
Reg. No.: 45,651  
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UNITED STATES PATENT AND TRADEMARK OFFICE

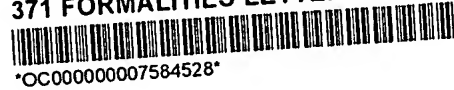
Commissioner for Patents, Box PCT  
United States Patent and Trademark Office  
Washington, D.C. 20231  
www.uspto.gov

|   |  |   |
|---|--|---|
| U.S. APPLICATION NUMBER NO.<br>10/019,521 | FIRST NAMED APPLICANT<br>Peter J. Schiller | ATTY. DOCKET NO.<br>110.01100101 ✓              |
|   |  | INTERNATIONAL APPLICATION NO.<br>PCT/US00/17988 |
|   |  | LA. FILING DATE<br>06/29/2000                   |
|   |  | PRIORITY DATE                                   |

Kevin W Raasch  
Mueeting Raasch & Gebhardt  
PO Box 581415  
Minneapolis, MN 55458-1415

✓ 5/6/02 MP Dne  
9/6/02 MP Final

CONFIRMATION NO. 2112  
371 FORMALITIES LETTER



Date Mailed: 03/06/2002

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fees
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- Preliminary Amendments
- Request for Immediate Examination

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTH FROM THE DATE OF THIS NOTICE OR BY 22 or 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice **MUST** be returned with the response.

RECEIVED

MAR 11 2002

MUEETING & RAASCH

DEBORAH D WILLIAMS

Telephone: (703) 305-3744

## PART 1 - ATTORNEY/APPLICANT COPY

|   |   |                                  |
|---|---|----------------------------------|
| U.S. APPLICATION NUMBER NO.<br>10/019,521 | INTERNATIONAL APPLICATION NO.<br>PCT/US00/17988 | ATTY. DOCKET NO.<br>110.01100101 |
|---|---|----------------------------------|

FORM PCT/DO/EO/905 (371 Formalities Notice)